

1 Mediators over taxonomy-based information sources

Yannis Tzitzikas, Nicolas Spyratos, Panos Constantopoulos

March 2005 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 14 Issue 1

Full text available: pdf(428.09 KB) Additional Information: full citation, abstract

We propose a mediator model for providing integrated and unified access to multiple taxonomy-based sources. Each source comprises a taxonomy and a database that indexes objects under the terms of the taxonomy. A mediator comprises a taxonomy and a set of relations between the mediator's and the sources' terms, called articulations. By combining different modes of query evaluation at the sources and the mediator and different types of query translation, a flexible, efficient scheme ...

Keywords: Approximate query translation, Information integration, Mediators, Taxonomies

Image Retrieval from the World Wide Web: Issues, Techniques, and Systems M. L. Kherfi, D. Ziou, A. Bernardi March 2004 ACM Computing Surveys (CSUR), Volume 36 Issue 1

Full text available: pdf(294.13 KB) Additional Information: full citation, abstract, references, index terms

With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines have existed for some years now and have achieved a certain degree of success. However, despite the large number of images available on the Web, image search engines are still rare. In this article, we show that in order to allow people to profi ...

Keywords: Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity

3 An analysis of XML database solutions for the management of MPEG-7 media descriptions

Utz Westermann, Wolfgang Klas

December 2003 ACM Computing Surveys (CSUR), Volume 35 Issue 4

Additional Information: full citation, abstract, references, index terms,

Full text available: pdf(448.76 KB)

review

MPEG-7 constitutes a promising standard for the description of multimedia content. It can be expected that a lot of applications based on MPEG-7 media descriptions will be set up in the near future. Therefore, means for the adequate management of large amounts of MPEG-7-compliant media descriptions are certainly desirable. Essentially, MPEG-7 media descriptions are XML documents following media description schemes defined with a variant of XML Schema. Thus, it is reasonable to investigate curren ...

Keywords: MPEG-7, XML database systems, multimedia databases

4 Context-aware Web Information Systems

Aleksander Binemann-Zdanowicz, Roland Kaschek, Klaus-Dieter Schewe, Bernhard Thalheim January 2004 Proceedings of the first Asian-Pacific conference on Conceptual modelling - Volume 31

Full text available: To pdf(413.81 KB) Additional Information: full citation, abstract, references

Apart from completeness usability, performance and maintainability are the key quality aspects for Web information systems. Considering usability as key implies taking usage processes into account right from the beginning of systems development. Contextawareness appears as a promising idea for increasing usability of Web Information Systems. In the present paper we propose an approach to context-awareness of Web Information Systems that systematically distinguishes among the various important k ...

Keywords: SiteLang, Web Information Systems, Web services, context-aware information systems, media objects

5 Towards second and third generation web-based multimedia

Jacco van Ossenbruggen, Joost Geurts, Frank Cornelissen, Lynda Hardman, Lloyd Rutledge April 2001 Proceedings of the 10th international conference on World Wide Web

Full text available: pdf(563.48 KB) Additional Information: full citation, references, citings, index terms

Keywords: SMIL, XML, XSLT, multimedia, transformations

⁶ Supporting active database learning and training through interactive multimedia Claus Pahl, Ronan Barrett, Claire Kenny

June 2004 ACM SIGCSE Bulletin, Proceedings of the 9th annual SIGCSE conference on Innovation and technology in computer science education, Volume 36 Issue 3 Full text available: pdf(130.80 KB) Additional Information: full citation, abstract, references, index terms

The learning objectives of a database course include aspects from conceptual and theoretical knowledge to practical development and implementation skills. We present an interactive educational multimedia system based on the virtual apprenticeship model for the knowledge- and skills-oriented Web-based education of database course students. Combining knowledge learning and skills training in an integrated environment is a central aspect of our system. We show that tool-mediated independent learnin ...

Keywords: database courseware, knowledge and skills, multimedia, tool-mediated independent learning, virtual apprenticeship theory

Multimedia: Towards a multimedia formatting vocabulary



Jacco van Ossenbruggen, Lynda Hardma, Joost Geurts, Lloyd Rutledge May 2003 Proceedings of the 12th international conference on World Wide Web

Full text available: pdf(189.77 KB) Additional Information: full citation, abstract, references, index terms

Time-based, media-centric Web presentations can be described declaratively in the XML world through the development of languages such as SMIL. It is difficult, however, to fully integrate them in a complete document transformation processing chain. In order to achieve the desired processing of data-driven, time-based, media-centric presentations, the text-flow based formatting vocabularies used by style languages such as XSL, CSS and DSSSL need to be extended. The paper presents a selection of u ...

Keywords: Cuypers, document transformation, formatting objects, hyper-media, multimedia

8 <u>Learning I: Researchexplorer: gaining insights through exploration in multimedia scientific data</u>

Bo Gong, Rahul Singh, Ramesh Jain

October 2004 Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval

Full text available: pdf(927.08 KB) Additional Information: full citation, abstract, references, index terms

An increasing amount of heterogeneous information about scientific research is becoming available on-line. This potentially allows users to explore the information from multiple perspectives and derive insights and not just raw data about a topic of interest. However, most current scientific information search systems lag behind this trend; being text-based, they are fundamentally incapable of dealing with multimedia data. An even more important limitation is that their information environmen ...

Keywords: event, exploration, interaction environment, isight, multimedia data, research event, spatio-temporal data

9 Mining multimedia data

Osmar R. Zaïane, Jiawei Han, Ze-Nian Li, Jean Hou

November 1998 Proceedings of the 1998 conference of the Centre for Advanced Studies on Collaborative research

Full text available: pdf(377.84 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>

Data Mining is a young but flourishing field. Many algorithms and applications exist to mine different types of data and extract different types of knowledge. Mining multimedia data is, however, at an experimental stage. We have implemented a prototype for mining high-level multimedia information and knowledge from large multimedia databases. MultiMedia Miner has been designed based on our years of experience in the research and development of a relational data mining system, DBMiner, in the Inte ...

Keywords: data cube, data mining, data warehousing, image analysis, information retrieval, multimedia, world-wide web

10 The internet as an engine of scholarship

Joseph S. Fulda

March 2000 ACM SIGCAS Computers and Society, Volume 30 Issue 1

Full text available: pdf(1.21 MB)

Additional Information: full citation

11 sTeam: structuring information in team-distributed knowledge management in cooperative learning environments



August 2001 Journal on Educational Resources in Computing (JERIC)

Full text available: pdf(179.03 KB)

Additional Information: full citation, abstract, references, index terms, review

Learning is a socially embedded design process. But most of todays hypermedia systems fail to properly support the design-related and the social aspects of learning. Authoring and Web-publishing systems aim to support the authors design processes. Consequently, the activities of learners are confined to selecting and reading. Based on some fundamental reflections on the role of technology in learning processes, we conclude that top priority must be given to the construction of infrastructur ...

Keywords: cooperative learning, cooperative support, learner-centered approaches, sTeam (structuring information in a team), web-based learning and teaching

12 Reusability and adaptability of interactive resources in Web-based educational <u>systems</u>



Full text available: pdf(257.16 KB)

Additional Information: full citation, abstract, references, citings, index terms, review

The production of interactive multimedia content is in most cases an expensive task in terms of time and cost. Hence, optimizing production by exploiting the reusability of interactive multimedia elements is mandatory. Reusability can be triggered by a combination of resuable multimedia components and the appropriate use of metadata to control the components as well as their combination. In this article, we discuss the reusability aspects of interactive multimedia content in web ...

13 Building a successful e-business: the FedEx story

Ali F. Farhoomand, Pauline S. P. Ng, William L. Conley April 2003 Communications of the ACM, Volume 46 Issue 4

Full text available: pdf(325.80 KB) html(22.10 KB)

Additional Information: full citation, abstract, references, index terms

The company famous for transporting goods from anywhere to anywhere around the globe has used its impressive information infrastructure to expand into a channel logistics business.

14 Web engineering: A visual environment for dynamic web application composition Kimihito Ito, Yuzuru Tanaka



Full text available: pdf(1.56 MB)

Additional Information: full citation, abstract, references, citings, index terms.

HTML-based interface technologies enable end-users to easily use various remote Web applications. However, it is difficult for end-users to compose new integrated tools of both existing Web applications and legacy local applications such as spreadsheets, chart tools and database. In this paper, the authors propose a new framework where end-users can wrap remote Web applications into visual components called pads, and functionally combine them together through drag & drop-paste operations. ...

Keywords: hypermedia, intelligentPad, personalization, web application linkage, web application wrapping

15 Effective access to large audiovisual assets based on user preferences

S. Ioannou, G. Moschovitis, K. Ntalianis, K. Karpouzis, S. Kollias

November 2000 Proceedings of the 2000 ACM workshops on Multimedia

Full text available: pdf(1.01 MB) Additional Information: full citation, abstract, references, index terms

Current multimedia databases contain a wealth of information in the form of audiovisual, as well as text data. Even though efficient search algorithms have been developed for either media, there still exists the need for abstract presentation and summarization of the results of database users' queries. Moreover, multimedia retrieval systems should be capable of providing the user with additional information related to the specific subject of the query, as well as suggest other topics which us ...

Keywords: multimedia databases, query expansion, text-based search, user profiling, web access

16 Database techniques for the World-Wide Web: a survey

Daniela Florescu, Alon Levy, Alberto Mendelzon

September 1998 ACM SIGMOD Record, Volume 27 Issue 3

Additional Information: full citation, citings, index terms Full text available: pdf(1.79 MB)

17 Surveys: Structured databases on the web: observations and implications Kevin Chen-Chuan Chang, Bin He, Chengkai Li, Mitesh Patel, Zhen Zhang September 2004 ACM SIGMOD Record, Volume 33 Issue 3

Full text available: 📆 pdf(393.19 KB) Additional Information: full citation, abstract, references, citings

The Web has been rapidly "deepened" by the prevalence of databases online. With the potentially unlimited information hidden behind their query interfaces, this "deep Web" of searchable databses is clearly an important frontier for data access. This paper surveys this relatively unexplored frontier, measuring characteristics pertinent to both exploring and integrating structured Web sources. On one hand, our "macro" study surveys the deep Web at large, in April 2004, adopting the random IP-sa ...

18 Hypermedia semantics: Finding the story: broader applicability of semantics and discourse for hypermedia generation

Lloyd Rutledge, Martin Alberink, Rogier Brussee, Stanislav Pokraev, William van Dieten, Mettina Veenstra

August 2003 Proceedings of the fourteenth ACM conference on Hypertext and hypermedia

Additional Information: full citation, abstract, references, citings, index Full text available: Tpdf(396.48 KB) terms

Generating hypermedia presentations requires processing constituent material into coherent, unified presentations. One large challenge is creating a generic process for producing hypermedia presentations from the semantics of potentially unfamiliar domains. The resulting presentations must both respect the underlying semantics and appear as coherent, plausible and, if possible, pleasant to the user. Among the related unsolved problems is the inclusion of discourse knowledge in the generation pro ...

Keywords: RDF, SMIL, clustering, concept lattices, discourse, hypermedia, narrative,

semantics

19 EIU's ViewsWire: new wine in a new bottle

Peter Lovelock, Ali F. Farhoomand

December 2000 Proceedings of the twenty first international conference on **Information systems**

Full text available: 🔂 pdf(516.64 KB) Additional Information: full citation, references, index terms

²⁰ Contextualizing the information space in federated digital libraries

M. P. Papazoglou, J. Hoppenbrouwers

March 1999 ACM SIGMOD Record, Volume 28 Issue 1

Full text available: pdf(695.20 KB) Additional Information: full citation, abstract, citings, index terms

Rapid growth in the volume of documents, their diversity, and terminological variations render federated digital libraries increasingly difficult to manage. Suitable abstraction mechanisms are required to construct meaningful and scalable document clusters, forming a cross-digital library information space for browsing and semantic searching. This paper addresses the above issues, proposes a distributed semantic framework that achieves a logical partitioning of the information space accordi ...

Results 1 - 20 of 200

Result page: 1 2 3 4 5 6 7 8 9 10

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WEST Refine Search Page 1 of 1

Refine Search

Search Results -

Terms	Documents	
(L6 or L7 or L8) and (L5 or L4)	42	

us och Full-Text Database
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Database:

JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins

US Patents Full-Text Database

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US Pre-Grant Publication Full-Text Database



Interrupt

Search History

DATE: Sunday, May 29, 2005 Printable Copy Create Case

Set Name side by side		Hit Count	Set Name result set
DB=PG	PB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YE	S; OP=ADJ	
<u>L9</u>	(L6 or L7 or L8) and (L5 or L4)	42	<u>L9</u>
<u>L8</u>	709/203.ccls.	5359	<u>L8</u>
<u>L7</u>	715/513 517.ccls.	1246	<u>L7</u>
<u>L6</u>	715/501.1.ccls.	1027	<u>L6</u>
<u>L5</u>	(L4 or L2 or L1) and (profil\$3 and header\$1)	186	<u>L5</u>
<u>L4</u>	L3 and (custom\$8 same (content\$1 or media))	338	<u>L4</u>
<u>L3</u>	(L1 or L2) and database\$1	945	<u>L3</u>
<u>L2</u>	HTMl and unique tag\$1	382	<u>L2</u>
L1	HTML and (proprietary same (tag\$1 or element\$1))	663	L1

END OF SEARCH HISTORY

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Hit List

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 42 of 42 returned.

1. Document ID: US 20050081144 A1

L9: Entry 1 of 42 File: PGPB

Apr 14, 2005

Sep 9, 2004

Jul 29, 2004

PGPUB-DOCUMENT-NUMBER: 20050081144

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050081144 A1

TITLE: Document creation system and method using knowledge base, precedence, and

integrated rules

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw De

File: PGPB

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PGPUB-DOCUMENT-NUMBER: 20040177148 PGPUB-FILING-TYPE: new

L9: Entry 2 of 42

DOCUMENT-IDENTIFIER: US 20040177148 A1

TITLE: Method and apparatus for selecting and viewing portions of web pages

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RWC Draws Do

3. Document ID: US 20040148571 A1

File: PGPB

PGPUB-DOCUMENT-NUMBER: 20040148571

PGPUB-FILING-TYPE: new

L9: Entry 3 of 42

DOCUMENT-IDENTIFIER: US 20040148571 A1

TITLE: Method and apparatus for adapting web contents to different display area

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw De

4. Document ID: US 20040049737 A1

L9: Entry 4 of 42 File: PGPB Mar 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040049737

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040049737 A1

TITLE: System and method for displaying information content with selective

horizontal scrolling

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

5. Document ID: US 20040049589 A1

L9: Entry 5 of 42

File: PGPB

Mar 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040049589

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040049589 A1

TITLE: Arrangement and a method relating to session management in a portal

structure

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw De

6. Document ID: US 20030177202 A1

L9: Entry 6 of 42

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030177202

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030177202 A1

TITLE: Method and apparatus for executing an instruction in a web page

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw Da

7. Document ID: US 20030078960 A1

L9: Entry 7 of 42

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030078960

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030078960 A1

TITLE: Architecture and process for creating software applications for multiple

domains

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

8. Document ID: US 20030014500 A1

L9: Entry 8 of 42

File: PGPB

Jan 16, 2003

Record List Display Page 3 of 11

PGPUB-DOCUMENT-NUMBER: 20030014500

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030014500 A1

TITLE: Transactional data communications for process control systems

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

9. Document ID: US 20030014483 A1

L9: Entry 9 of 42

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030014483

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030014483 A1

TITLE: Dynamic networked content distribution

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

10. Document ID: US 20020169885 A1

L9: Entry 10 of 42

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020169885

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020169885 A1

TITLE: Digital television application protocol for interactive television

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

11. Document ID: US 20020169851 A1

L9: Entry 11 of 42

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020169851

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020169851 A1

TITLE: Internet-based system for dynamically creating and delivering customized

content within remote web pages

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw De

12. Document ID: US 20020129094 A1

L9: Entry 12 of 42

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020129094

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020129094 A1

TITLE: Software and method for automatically sending a data object that includes

user demographics

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

13. Document ID: US 20020038349 A1

L9: Entry 13 of 42

File: PGPB

Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020038349

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020038349 A1

TITLE: Method and system for reusing internet-based applications

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

14. Document ID: US 20010037361 A1

L9: Entry 14 of 42

File: PGPB

Nov 1, 2001

PGPUB-DOCUMENT-NUMBER: 20010037361

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010037361 A1

TITLE: Methods and systems for transactional tunneling

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw De

15. Document ID: US 20010037359 A1

L9: Entry 15 of 42

File: PGPB

Nov 1, 2001

PGPUB-DOCUMENT-NUMBER: 20010037359

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010037359 A1

TITLE: System and method for a server-side browser including markup language graphical user interface, dynamic markup language rewriter engine and <u>profile</u> engine

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

16. Document ID: US 6859910 B2

L9: Entry 16 of 42

File: USPT

Feb 22, 2005

Record List Display Page 5 of 11

US-PAT-NO: 6859910

DOCUMENT-IDENTIFIER: US 6859910 B2

TITLE: Methods and systems for transactional tunneling

Full Title Citation Front Review Classification Date Reference

17. Document ID: US 6834306 B1

L9: Entry 17 of 42

File: USPT

Dec 21, 2004

US-PAT-NO: 6834306

DOCUMENT-IDENTIFIER: US 6834306 B1

TITLE: Method and apparatus for notifying a user of changes to certain parts of web

pages

Full Title Citation Front Review Classification Date Reference Citation Claims KMC Draw De

18. Document ID: US 6792575 B1

L9: Entry 18 of 42

File: USPT

Sep 14, 2004

US-PAT-NO: 6792575

DOCUMENT-IDENTIFIER: US 6792575 B1

TITLE: Automated processing and delivery of media to web servers

Full Title Citation Front Review Classification Date Reference Claims KWC Draw D.

19. Document ID: US 6779178 B1

L9: Entry 19 of 42 File: USPT Aug 17, 2004

US-PAT-NO: 6779178

DOCUMENT-IDENTIFIER: US 6779178 B1

TITLE: System and method for personalizing electronic mail messages

Full Title Citation Front Review Classification Date Reference Claims MMC Draw De Claims De Clai

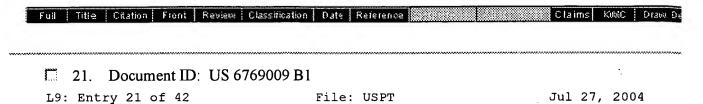
US-PAT-NO: 6772216

DOCUMENT-IDENTIFIER: US 6772216 B1

** See image for <u>Certificate of Correction</u> **

TITLE: Interaction protocol for managing cross company processes among network-

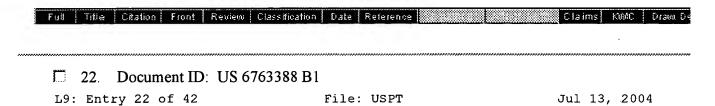
distributed applications



US-PAT-NO: 6769009

DOCUMENT-IDENTIFIER: US 6769009 B1

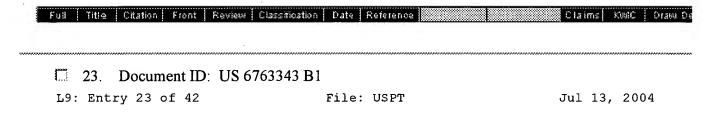
TITLE: Method and system for selecting a personalized set of information channels



US-PAT-NO: 6763388

DOCUMENT-IDENTIFIER: US 6763388 B1

TITLE: Method and apparatus for selecting and viewing portions of web pages

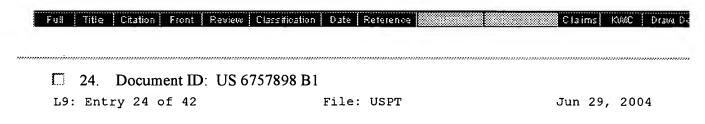


US-PAT-NO: 6763343

DOCUMENT-IDENTIFIER: US 6763343 B1

TITLE: Preventing duplication of the data in reference resource for XML page

generation



US-PAT-NO: 6757898

DOCUMENT-IDENTIFIER: US 6757898 B1